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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/519,448	03/05/2000	Moses M. David	55436USA6A	6966	
7:	590 01/14/2002				
Mueting Raasch & Gebhardt P A P O Box 581415			EXAMI	EXAMINER	
Minneapolis, MN 55458			ALEXANDER, LYLE		
			ART UNIT	PAPER NUMBER	
			1743	7	
			DATE MAILED: 01/14/2002	6	

Please find below and/or attached an Office communication concerning this application or proceeding.

			A-S-				
Office Action Summary		Application No.	Applicant(s)				
		09/519,448	DAVID et al.				
		Examiner	Art Unit				
		LYLE A ALEXANDER	1743				
The MAILING DATE of this communication app ars on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status							
1)	Responsive to communication(s) filed on	<u>·</u> ·					
2a) <u></u> □	This action is FINAL . 2b)⊠ Thi	is action is non-final.					
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
4)⊠ Claim(s) <u>1-26</u> is/are pending in the application.							
4a) Of the above claim(s) <u>26</u> is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-25</u> is/are rejected.							
7)	Claim(s) is/are objected to.						
8)[Claim(s) are subject to restriction and/or	election requirement.					
Applicati	on Papers						
9)☐ The specification is objected to by the Examiner.							
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
	nder 35 U.S.C. §§ 119 and 120		/				
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) ☐ All b) ☐ Some * c) ☐ None of:							
1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No						
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment			and/OF IZ I.				
2) 🔲 Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s) <u>4-6</u>	5) Notice of Informal F	r (PTO-413) Paper No(s) Patent Application (PTO-152)				
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Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-25, drawn to a microfluidic article, classified in class 422, subclass 102.
- II. Claim 26, drawn to method of manufacturing, classified in class 219.The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the process can be used to make other and materially different products, such as non-microfluidic devices such as a lens that requires a hydrophilic diamond like coating.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

During a telephone conversation with Ms. Mueting on 1/10/02 a provisional election was made with out traverse to prosecute the invention of group I, claim1-25. Affirmation of this election must be made by applicant in replying to this Office action. Claim 26 withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

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Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Claim Rejections - 35 USC § 112

Claims 1-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claims are vague and indefinite as to what type of structure is intended by "diamond like".

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5,7-8,10,12-14,17-18 and 25 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by "MAGNETOSTRICTIVE MOLECULE SEPATOR CHROMATOGRAPHY", YAMANOTO et al.(USP 5,788,766), WO 9421372 or WO 9821626.

All teach a fluid handling device with an optically transmissible diamond like film.

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Claims 1-25 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by EP 0856592, Giglia et al., WO 96/40446, WO 97/48836, WO 97/40207, David et al. "Plasma Deposition and Etching ...", Bray et al. "New Family of Tailorable ...".

All of the art teaches an optically transmissible diamond like film having the claimed proportions of carbon, silicon and oxygen.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to

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consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wilding et al., "Sun International Division, Comar Inc." or Kopf-Sill et al. in view of EP 0856592, Giglia et al., WO 96/40446, WO 97/48836, WO 97/40207, David et al. "Plasma Deposition and Etching ...", Bray et al. "New Family of Tailorable ...".

Wilding et al., "Sun International Division, Comar Inc." or Kopf-Sill et al. all teach microfluidic devices. These references are silent to the claimed coating.

EP 0856592, Giglia et al., WO 96/40446, WO 97/48836, WO 97/40207, David et al. "Plasma Deposition and Etching ...", Bray et al. "New Family of Tailorable ..." all teach the claimed coating and state it is advantageous because it forms a hard scratch resistant optically transparent and inert surface.

It would have been within the skill of the art to modify Wilding et al., "Sun International Division, Comar Inc." or Kopf-Sill et al. in view of EP 0856592, Giglia et al., WO 96/40446, WO 97/48836, WO 97/40207, David et al. "Plasma Deposition and Etching ...", Bray et al. "New Family of Tailorable ..." and use the taught coating to gain the above advantages .

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LYLE A ALEXANDER whose telephone number is 703-308-3893. The examiner can normally be reached on MONDAY, WEDNESDAY, FRIDAY.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JILL WARDEN can be reached on 703-308-4037. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-7718 for regular communications and 703-305-3599 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0651.

LYLE A ALEXANDER Primary Examiner Art Unit 1743

January 10, 2002